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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|   |                                   |             |           |
|---|-----------------------------------|-------------|-----------|
| Attorney Docket No.                                   | <b>130482-1/YOD<br/>GERD:0054</b> | Total Pages | <b>42</b> |
| <i>First Named Inventor or Application Identifier</i> |                                   |             |           |
| <i>Abdulrahman Al-khalidy</i>                         |                                   |             |           |
| Express Mail Label No.                                | <b>EV 365 158 037 US</b>          |             |           |

| APPLICATION ELEMENTS<br><small>See MPEP chapter 600 concerning utility patent application contents.</small>   |  | ADDRESS TO: <b>Commissioner for Patents</b><br>P.O. Box 1450, Mail Stop Patent Application<br>Alexandria, VA 22313-1450 |  |
|---|--|---|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form<br/><i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Specification <b>Total Pages 17</b><br/><i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"> <li>-Descriptive</li> <li>-Cross References to Related Application</li> <li>-Statement Regarding Fed sponsored R &amp; D</li> <li>-Reference to Microfiche Appendix</li> <li>-Background of the Invention</li> <li>-Brief Summary of the Invention</li> <li>-Brief Description of the Drawings <i>(if filed)</i></li> <li>-Detailed Description</li> <li>-Claim(s)</li> <li>-Abstract of the Disclosure</li> </ul> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)      <b>Total Sheets 4</b><br/><b>Total Pages 12</b></p> <p>4. Oath or Declaration</p> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37CFR 1.63(d))<br/><i>(for continuation/divisional with Box 17 completed)</i><br/><i>[Note Box 5 below]</i></li> </ul> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting<br/>inventor(s) named in the prior application,<br/>see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i><br/>The entire disclosure of the prior application, from which a<br/>copy of the oath or declaration is supplied under Box 4b,<br/>is considered as being part of the disclosure of the<br/>accompanying application and is hereby incorporated by<br/>reference therein.</p> | <p>6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i></p> <p>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i></p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy <i>(identical to computer copy)</i></p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p> |   |  |
| ACCOMPANYING APPLICATION PARTS  |  |   |  |
| <p>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney<br/><i>(where there is an assignee)</i></p> <p>10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)</p> <p>14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application<br/>Statement(s) Status still proper and desired</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/><i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Other</p>   |  |   |  |
| 17. <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: /  |  |   |  |

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**FEE TRANSMITTAL**

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| <b>TOTAL AMOUNT OF PAYMENT</b> | <b>(\$)</b> <b>896.00</b> | <b>Attorney Docket Number</b> | <b>130482-1/YOD (GERD:0054)</b> |
|--------------------------------|---------------------------|-------------------------------|---------------------------------|

| <b>METHOD OF PAYMENT</b> (check one)   |                 |                            |                 | <b>FEES CALCULATION (continued)</b>  |                          |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
|--|-----------------|----------------------------|-----------------|--|--------------------------|--|--|----------------------------|-----------------|----------------------------|-----------------|-----------------|----------|-----|-----|-----|----|-------------------------------------|---|-----|----|-----|----|--|---|-----|-----|-----|-----|---------------------------|---|-----|-------|-----|-------|--|---|-----|------|-----|------|--|---|-----|--------|-----|--------|---|---|-----|-----|-----|----|---|---|-----|-----|-----|-----|--|---|-----|-----|-----|-----|---|---|-----|-------|-----|-----|--|---|-----|-----|-----|-----|------------------|---|-----|-----|-----|-----|--|---|-----|-----|-----|-----|--------------------------|---|-----|-------|-----|-------|---|---|-----|-----|-----|----|--|---|-----|-------|-----|-----|--|---|-----|-------|-----|-----|--------------------------------|---|-----|-----|-----|-----|------------------|---|-----|-----|-----|-----|-----------------|---|-----|-----|-----|-----|-------------------------------|---|-----|----|-----|----|---|---|-----|-----|-----|-----|---|---|-----|----|-----|----|--|-------|-----|-----|-----|-----|---|---|-----|-----|-----|-----|--|---|---------------------------|--|--|--|---|---|---------------------------|--|--|--|---|---|--|--|--|--|---------------------|--------------------------|------------------------------------|--|--|--|--|--|
| <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:<br/><b>07-0868/130482-1/YOD (GERD:0054)</b></p> <p>Deposit Account Number<br/>General Electric Global Research Center</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17      <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)</p> <p>2. <input type="checkbox"/> Payment Enclosed:<br/>    <input type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p> |                 |                            |                 | <p><b>3. ADDITIONAL FEES</b></p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>—</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet</td><td>—</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>—</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>—</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>—</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>—</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td>—</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for response within second month</td><td>—</td></tr> <tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for response within third month</td><td>—</td></tr> <tr><td>118</td><td>1,570</td><td>218</td><td>755</td><td>Extension for response within fourth month</td><td>—</td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td>—</td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td>—</td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td>—</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>—</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td>—</td></tr> <tr><td>141</td><td>1,320</td><td>241</td><td>660</td><td>Petition to revive unintentionally abandoned application</td><td>—</td></tr> <tr><td>142</td><td>1,320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td>—</td></tr> <tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td>—</td></tr> <tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td>—</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>—</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>—</td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>—</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>—</td></tr> <tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td>—</td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td>—</td><td>—</td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td>—</td><td>—</td></tr> <tr> <td colspan="4"></td> <td><b>SUBTOTAL (3)</b></td> <td><b>(\$)</b> <b>40.00</b></td> </tr> <tr> <td colspan="6">* Reduced by Basic Filing Fee Paid</td> </tr> </tbody> </table> |                          |  |  | Large Entity Fee Code (\$) | Entity Fee (\$) | Small Entity Fee Code (\$) | Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | — | 127 | 50 | 227 | 25 | Surcharge - late provisional filing or cover sheet | — | 139 | 130 | 139 | 130 | Non-English specification | — | 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | — | 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | — | 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | — | 115 | 110 | 215 | 55 | Extension for response within first month | — | 116 | 400 | 216 | 200 | Extension for response within second month | — | 117 | 950 | 217 | 475 | Extension for response within third month | — | 118 | 1,570 | 218 | 755 | Extension for response within fourth month | — | 119 | 310 | 219 | 155 | Notice of Appeal | — | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | — | 121 | 270 | 221 | 135 | Request for oral hearing | — | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | — | 140 | 110 | 240 | 55 | Petition to revive unavoidably abandoned application | — | 141 | 1,320 | 241 | 660 | Petition to revive unintentionally abandoned application | — | 142 | 1,320 | 242 | 660 | Utility issue fee (or reissue) | — | 143 | 450 | 243 | 225 | Design issue fee | — | 144 | 670 | 244 | 335 | Plant issue fee | — | 122 | 130 | 122 | 130 | Petitions to the Commissioner | — | 123 | 50 | 123 | 50 | Petitions related to provisional applications | — | 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt | — | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 146 | 790 | 246 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | — | 149 | 790 | 249 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | — | Other fee (specify) _____ |  |  |  | — | — | Other fee (specify) _____ |  |  |  | — | — |  |  |  |  | <b>SUBTOTAL (3)</b> | <b>(\$)</b> <b>40.00</b> | * Reduced by Basic Filing Fee Paid |  |  |  |  |  |
| Large Entity Fee Code (\$)   | Entity Fee (\$) | Small Entity Fee Code (\$) | Entity Fee (\$) | Fee Description  | Fee Paid                 |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 105  | 130             | 205                        | 65              | Surcharge - late filing fee or oath  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 127  | 50              | 227                        | 25              | Surcharge - late provisional filing or cover sheet   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 139  | 130             | 139                        | 130             | Non-English specification  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 147  | 2,520           | 147                        | 2,520           | For filing a request for reexamination   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 112  | 920*            | 112                        | 920*            | Requesting publication of SIR prior to Examiner action   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 113  | 1,840*          | 113                        | 1,840*          | Requesting publication of SIR after Examiner action  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 115  | 110             | 215                        | 55              | Extension for response within first month  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 116  | 400             | 216                        | 200             | Extension for response within second month   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 117  | 950             | 217                        | 475             | Extension for response within third month  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 118  | 1,570           | 218                        | 755             | Extension for response within fourth month   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 119  | 310             | 219                        | 155             | Notice of Appeal   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 120  | 310             | 220                        | 155             | Filing a brief in support of an appeal   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 121  | 270             | 221                        | 135             | Request for oral hearing   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 138  | 1,510           | 138                        | 1,510           | Petition to institute a public use proceeding  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 140  | 110             | 240                        | 55              | Petition to revive unavoidably abandoned application   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 141  | 1,320           | 241                        | 660             | Petition to revive unintentionally abandoned application   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 142  | 1,320           | 242                        | 660             | Utility issue fee (or reissue)   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 143  | 450             | 243                        | 225             | Design issue fee   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 144  | 670             | 244                        | 335             | Plant issue fee  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 122  | 130             | 122                        | 130             | Petitions to the Commissioner  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 123  | 50              | 123                        | 50              | Petitions related to provisional applications  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 126  | 240             | 126                        | 240             | Submission of Information Disclosure Stmt  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 581  | 40              | 581                        | 40              | Recording each patent assignment per property (times number of properties)   | 40.00                    |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 146  | 790             | 246                        | 395             | Filing a submission after final rejection (37 CFR 1.129(a))  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| 149  | 790             | 249                        | 395             | For each additional invention to be examined (37 CFR 1.129(b))   | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| Other fee (specify) _____  |                 |                            |                 | —  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| Other fee (specify) _____  |                 |                            |                 | —  | —                        |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
|  |                 |                            |                 | <b>SUBTOTAL (3)</b>  | <b>(\$)</b> <b>40.00</b> |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |
| * Reduced by Basic Filing Fee Paid   |                 |                            |                 |  |                          |  |  |                            |                 |                            |                 |                 |          |     |     |     |    |                                     |   |     |    |     |    |  |   |     |     |     |     |                           |   |     |       |     |       |  |   |     |      |     |      |  |   |     |        |     |        |   |   |     |     |     |    |   |   |     |     |     |     |  |   |     |     |     |     |   |   |     |       |     |     |  |   |     |     |     |     |                  |   |     |     |     |     |  |   |     |     |     |     |                          |   |     |       |     |       |   |   |     |     |     |    |  |   |     |       |     |     |  |   |     |       |     |     |                                |   |     |     |     |     |                  |   |     |     |     |     |                 |   |     |     |     |     |                               |   |     |    |     |    |   |   |     |     |     |     |   |   |     |    |     |    |  |       |     |     |     |     |   |   |     |     |     |     |  |   |                           |  |  |  |   |   |                           |  |  |  |   |   |  |  |  |  |                     |                          |                                    |  |  |  |  |  |

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| Typed or Printed Name |  | John M. Rariden |  | Reg. Number              |                | 54,388  |
| Signature             |  |                 |  | Date                     | March 30, 2004 | Deposit Acct. User ID<br>07-0868/130482-1/YOD (GERD:0054) |